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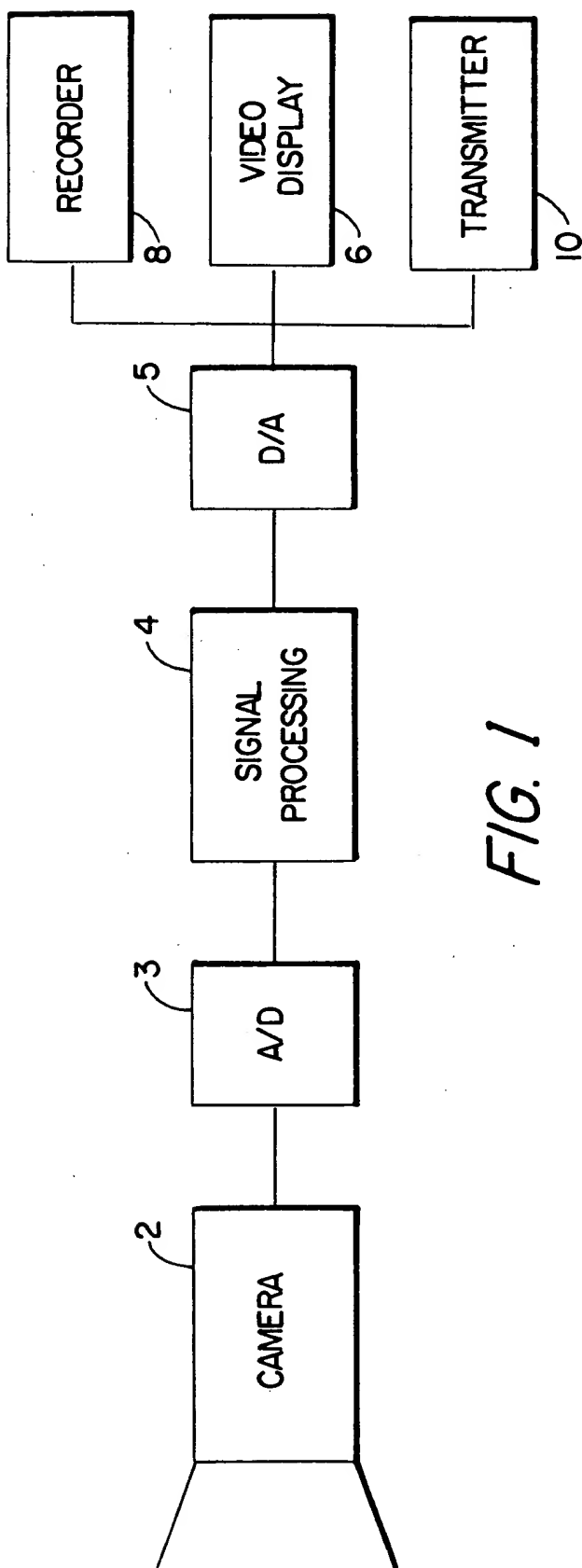


FIG. 1

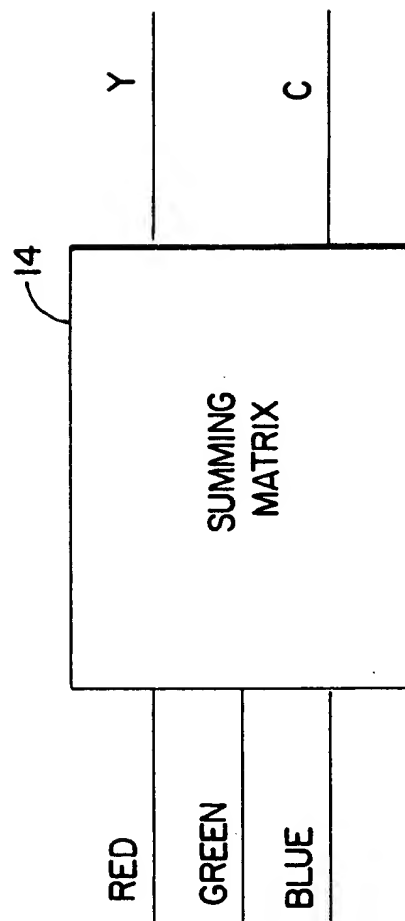


FIG. 2

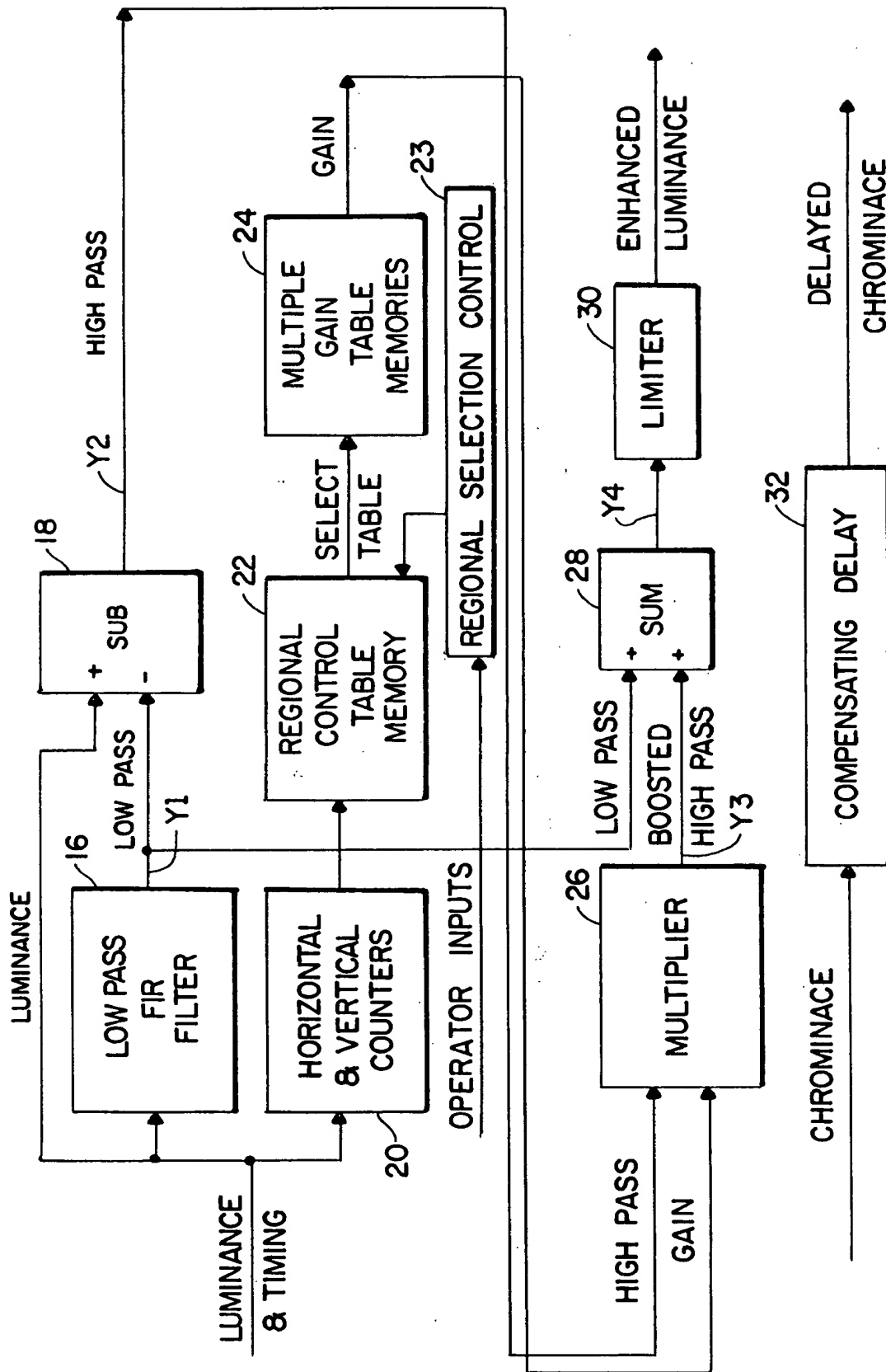
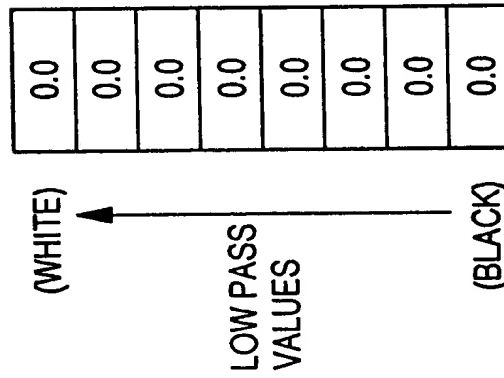


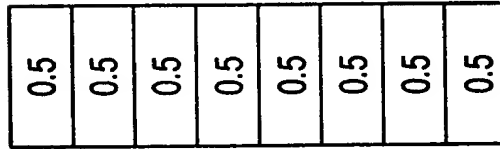
FIG. 3

GAIN TABLE MEMORY EXAMPLES



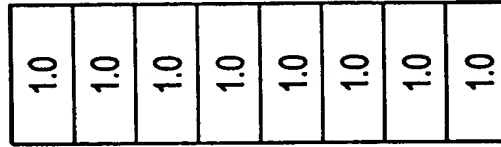
GAIN TABLE 0
ALL VALUES = 0

FIG. 4A



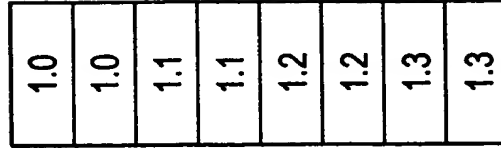
GAIN TABLE 1
ALL VALUES = 0.5

FIG. 4B



GAIN TABLE 2
ALL VALUES = 1.0

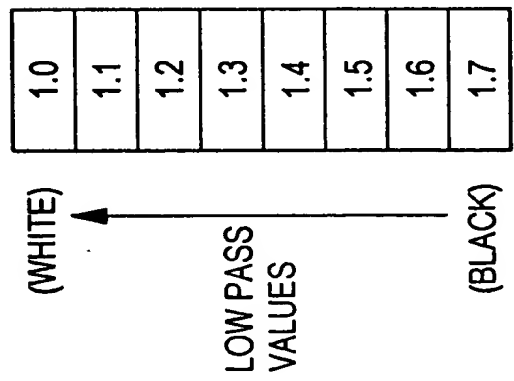
FIG. 4C



GAIN TABLE 3
ENHANCEMENT
LEVEL 1

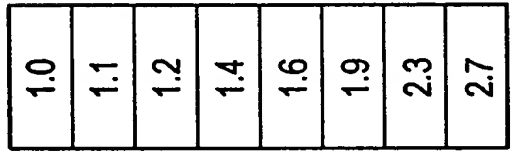
FIG. 4D

GAIN TABLE MEMORY EXAMPLES



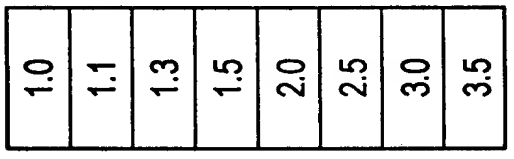
GAIN TABLE 4
ENHANCEMENT
LEVEL 2

FIG. 4E



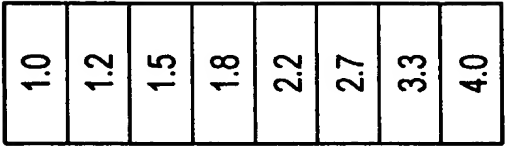
GAIN TABLE 5
ENHANCEMENT
LEVEL 3

FIG. 4F



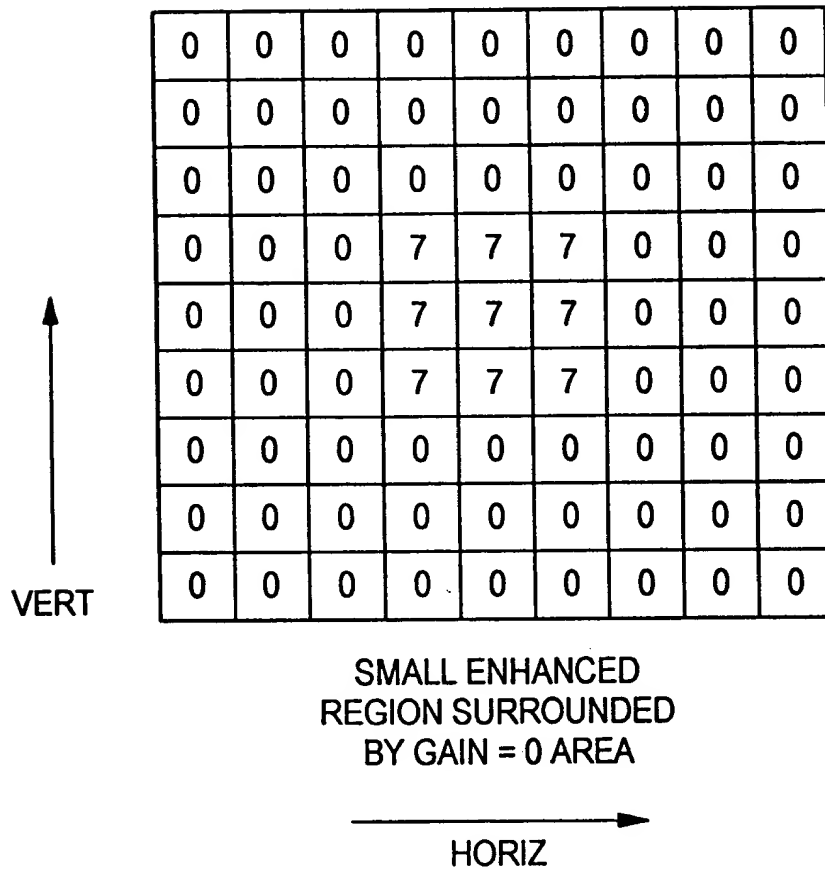
GAIN TABLE 5
ENHANCEMENT
LEVEL 4

FIG. 4G



GAIN TABLE 7
ENHANCEMENT
LEVEL 5

FIG. 4H

REGIONAL CONTROL TABLE
MEMORY EXAMPLE 1

A 9x9 grid representing a regional control table. The grid is composed of cells containing the values 0 or 7. A central 3x3 region (rows 4-6, columns 4-6) contains the value 7, while all other cells contain the value 0. To the left of the grid is a vertical arrow pointing upwards, labeled 'VERT'. Below the grid is a horizontal arrow pointing to the right, labeled 'HORIZ'.

0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	7	7	7	0	0	0
0	0	0	7	7	7	0	0	0
0	0	0	7	7	7	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

VERT

SMALL ENHANCED
REGION SURROUNDED
BY GAIN = 0 AREA

HORIZ

FIG. 5A

REGIONAL CONTROL TABLE
MEMORY EXAMPLE 2

A 9x9 grid representing a regional control table. The grid is divided into three horizontal sections. The top section (rows 1-3) contains 0s in the first two columns and 7s in the last five columns. The middle section (rows 4-6) contains 0s in the first two columns and 7s in the last five columns. The bottom section (rows 7-9) contains 0s in all columns. To the left of the grid is a vertical arrow pointing upwards, labeled 'VERT'. Below the grid is a horizontal arrow pointing to the right, labeled 'HORIZ'. Below the horizontal arrow is the text 'LARGER ENHANCED REGION SURROUNDED BY GAIN = 0 AREA'.

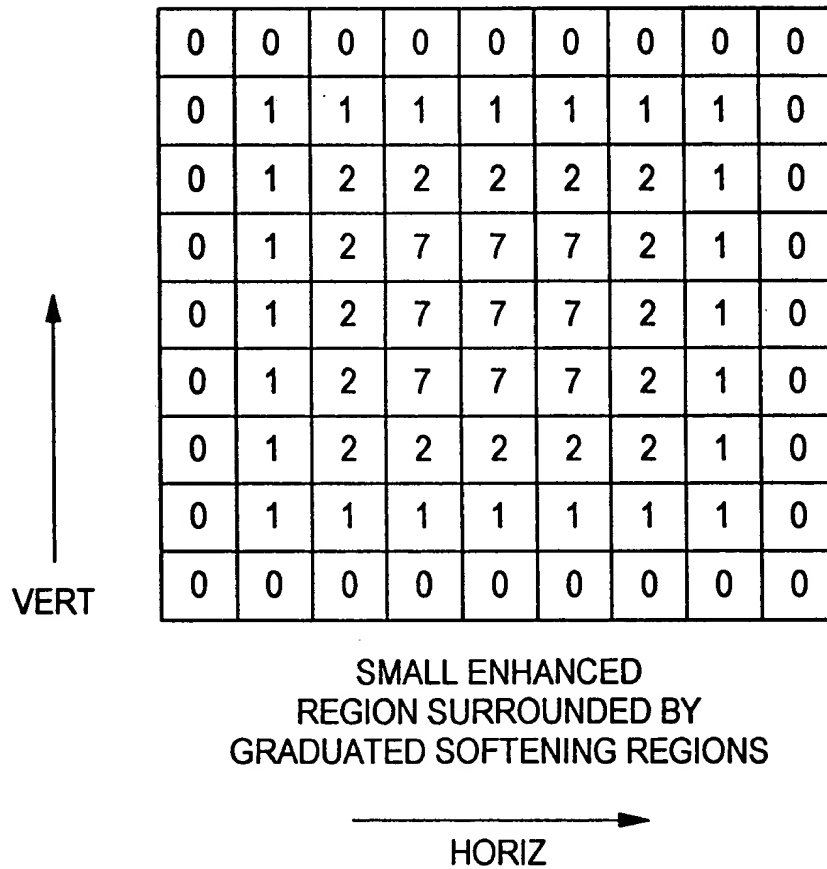
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0	0	7	7	7	7	7	0	0
0	0	7	7	7	7	7	0	0
0	0	7	7	7	7	7	0	0
0	0	7	7	7	7	7	0	0
0	0	7	7	7	7	7	0	0
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0

VERT

HORIZ

LARGER ENHANCED
REGION SURROUNDED
BY GAIN = 0 AREA

FIG. 5B

REGIONAL CONTROL TABLE
MEMORY EXAMPLE 3

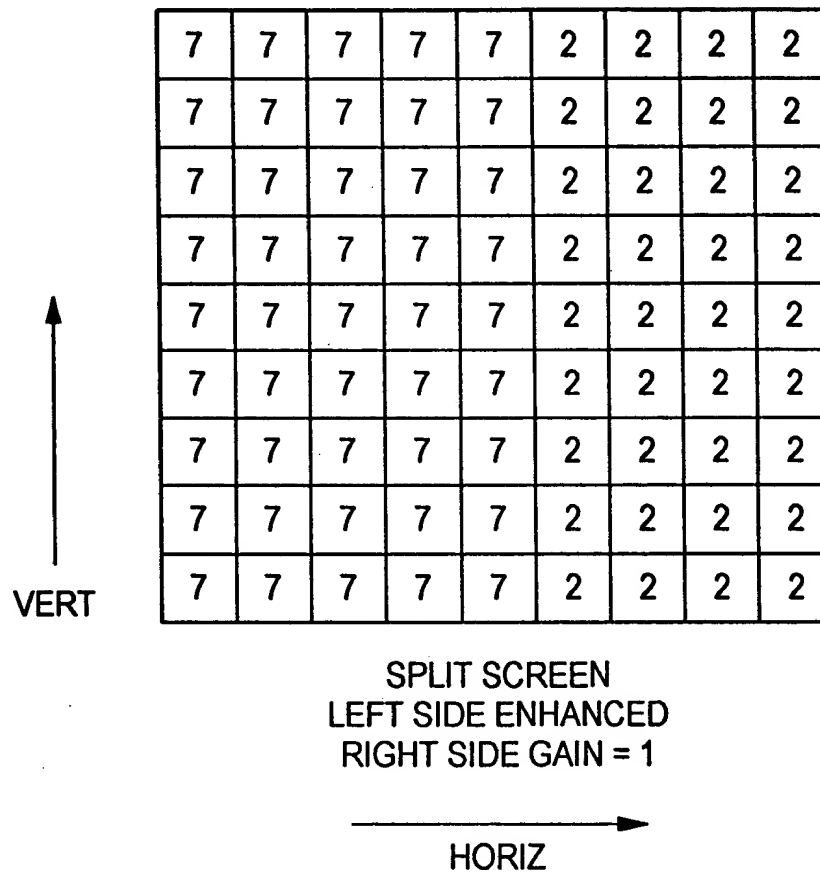
0	0	0	0	0	0	0	0	0
0	1	1	1	1	1	1	1	0
0	1	2	2	2	2	2	1	0
0	1	2	7	7	7	2	1	0
0	1	2	7	7	7	2	1	0
0	1	2	7	7	7	2	1	0
0	1	2	2	2	2	2	1	0
0	1	1	1	1	1	1	1	0
0	0	0	0	0	0	0	0	0

VERT

HORIZ

SMALL ENHANCED
REGION SURROUNDED BY
GRADUATED SOFTENING REGIONS

FIG. 5C

REGIONAL CONTROL TABLE
MEMORY EXAMPLE 4

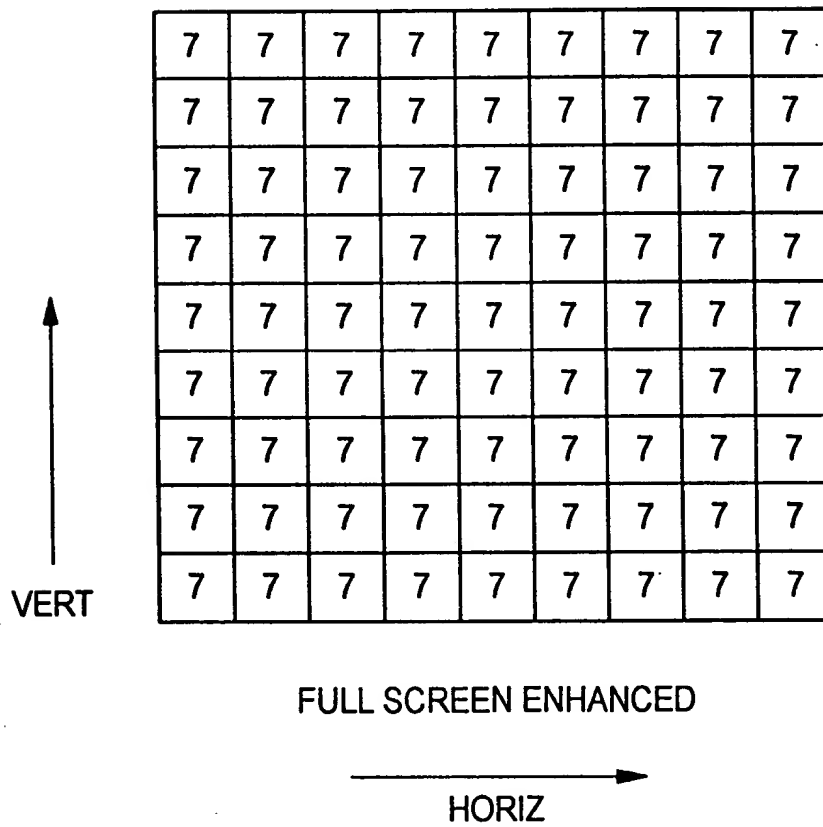
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2
7	7	7	7	7	2	2	2	2

VERT

SPLIT SCREEN
LEFT SIDE ENHANCED
RIGHT SIDE GAIN = 1

HORIZ

FIG. 5D

REGIONAL CONTROL TABLE
MEMORY EXAMPLE 5

VERT

7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7
7	7	7	7	7	7	7	7	7

FULL SCREEN ENHANCED

HORIZ

FIG. 5E